INST PARASITOLOGY

HELMINTHOLOGICAL ABSTRACTS

SERIES A
ANIMAL AND HUMAN HELMINTHOLOGY

Volume 49

Prepared by

Commonwealth Institute of Helminthology

1980

ISSN 0300-8339

© *Commonwealth Agricultural Bureaux 1981*

All rights reserved. No part of this publication may be reproduced in any form or by any means, electronically, mechanically, by photocopying, recording or otherwise, without the prior permission of the copyright owner.

The Executive Council of the Commonwealth Agricultural Bureaux is a signatory to the Fair Copying Declaration, details of which can be obtained from The Royal Society, 6 Carlton House Terrace, London, S.W.1.

published by

Commonwealth Agricultural Bureaux,
Farnham House, Farnham Royal,
SLOUGH SL2 3BN, UK.

printed by

Unwin Brothers Ltd., The Gresham Press, Old Woking, Surrey, UK.

HELMINTHOLOGICAL ABSTRACTS

Series A - Volume 49

CONTENTS

List of Journals scanned 1

Review Articles:

The Biology of the Onsphere of Cyclophyllidean Cestodes by R.C. Lethbridge 59

Nematode sex attractas by C.D. Green 327

ABSTRACTS

ANIMAL HOSTS															
General Surveys	–	73	–	153	–	–	287	341	–	–	461	525
Primates (including an)	9	73	117	153	185	235	287	341	383	403	461	525
Equines	12	75	121	155	189	238	290	344	384	407	465	529
Ruminants	12	75	121	155	189	238	290	344	384	408	466	529
Pigs	13	77	123	156	190	240	291	345	385	409	467	530
Carnivores	14	77	123	157	190	240	291	346	385	410	468	531
Rodents, Insectivor and Lagomorphs	14	78	124	158	191	241	292	346	385	410	469	532
Marine mammals	15	79	–	–	191	241	292	347	–	411	470	533
Other mammals	15	–	–	–	191	241	292	–	–	411	–	533
Birds	15	79	124	158	191	241	292	347	385	411	470	533
Reptiles	16	79	125	–	193	242	293	347	–	412	470	–
Amphibians	–	79	–	–	193	242	293	348	–	413	471	–
Fish	16	80	125	158	193	242	293	348	385	413	471	534
Invertebrates	16	81	125	158	194	243	294	349	386	414	473	535
Mixed groups	18	83	127	160	196	244	296	351	–	417	474	537
ASSOCIATIONS	18	83	127	160	196	244	296	351	386	417	475	537
MORPHOLOGY, TAXONOMY AND NOMENCLATURE	19	84	127	161	197	245	296	352	386	417	476	538
Monogenea	19	84	127	161	197	245	296	352	386	417	476	538
Aspidobothria	–	–	–	–	–	–	–	–	–	–	–	–
Digenea	19	84	127	162	197	245	296	352	387	418	477	538
Cestoda	21	84	128	163	200	248	299	353	387	420	481	541
Cestodaria	–	–	–	–	–	–	–	–	–	422	–	–
Acanthocephala	22	85	–	163	201	–	300	354	–	422	482	542
Nematoda	22	85	128	163	201	248	300	354	387	423	482	542
Nematomorpha	–	–	–	–	–	–	–	–	–	–	485	–
Miscellaneous	26	88	129	–	204	–	302	356	389	425	485	–

OFFICIAL CORRESPONDENTS
THE COMMONWEALTH INSTITUTE OF HELMINTHOLO

Animal and Human Helminthology

ANTIGUA Director of Agriculture, Dept. of Agriculture, Friars Hill.
AUSTRALIA Dr. Hugh McL. Gordon, 4 Krui Street, Fairlight, N.S.W. 2094.
BAHAMAS Director of Agriculture, Dept. of Agriculture, P.O. Box N-3028, Nassau.
BANGLADESH Director, Bangladesh Agricultural Research Institute, 87 Pioneer Roadakrail, Dacca.
BARBADOS Senior Veterinary Officer, Dept. of Science and Agriculture, P.O. Box 50ridgetown.
BERMUDA Director of Agriculture, Dept. of Agriculture, P.O. Box 834, Hamilton Sou.
BOTSWANA Director of Veterinary Services, Private Bag 32, Gaborone.
BRITISH SOLOMON ISLANDS Senior Agricultural Officer, Dept. of Agriculture, Hona.
BRITISH VIRGIN ISLANDS Superintendent of Agriculture, Agricultural Dept., Tortol
BRUNEI State Agricultural Officer.
CANADA Prof. R.C. Anderson, Dept. of Zoology, University of Guelph, Ontario.
CYPRUS Dr. K. Polydorou, Director, Dept. of Veterinary Services, Nicosia.
FIJI Assistant Director of Agriculture (Animal Health and Production), Ministry of griculture and Fisheries, P.O. Box 358, Suva.
GAMBIA Principal Veterinary Officer, Abuko, via Bathurst.
GHANA Mr. M.A. Odei, Institute of Aquatic Biology, P.O. Box 38, Achimota.
Mr. Debrah Sapong, Animal Research Institute, P.O. Box 20, Achimota.
GUYANA Principal Agricultural Officer, Ministry of Agriculture, P.O. Box 100, Georgetwn.
HONG KONG Director, Agriculture and Fisheries Dept., Canton Road Government Oices, 393 Canton Road, Kowloon (Attn: Mr. K.S. Kip).
INDIA Dr. S.C. Dutta, Division of Parasitology, Punjab Agricultural University, Ludhian
JAMAICA To be nominated.
KENYA Director, Veterinary Research Laboratory, P.O. Kabete.
MALAWI Senior Pathologist, Bvumbwe Agricultural Research Station, P.O. Box 5748, Lnbe.
MALAYSIA
MALAYA Director of Veterinary Services, Swettenham Road, Kuala Lumpur.
SABAH Senior Veterinary Officer, P.O. Box 105, Jesselton.
SARAWAK Director of Agriculture, Dept. of Agriculture, Kuching.
MAURITIUS Principal Veterinary Officer, Agricultural Services, Reduit.
MONTSERRAT To be nominated.
NEW ZEALAND Dr. R.V. Brunsdon, Wallaceville Animal Research Station, Private Bag, Upper Hutt.
NIGERIA Director, Federal Dept. of Veterinary Research, Vom, Benue Plateau State.
LAGOS STATE Permanent Secretary, Ministry of Agriculture and Natural Resources, Trade and Industry, Lagos.
WESTERN STATE Permanent Secretary, Ministry of Agriculture and Natural Resources, Ibadan.
NORTH-CENTRAL STATE Director, Institute of Agricultural Research, Samaru, Private Mail Bag 1044, Zaria.
MID-WESTERN STATE Permanent Secretary, Ministry of Agriculture and Natural Resources, Benin City.
REPUBLIC OF IRELAND To be nominated.
ST. HELENA Agricultural and Forestry Officer, Dept. of Agriculture and Forestry, Scotland.
SEYCHELLES Director of Medical Services, Dept. of Agriculture, P.O. Box 54, Victoria, Mahe.
SIERRA LEONE Director of Veterinary Services, Teko, via Makeni.
SRI LANKA Dr. S.B. Dhanapala, Deputy Director of Animal Production and Health, Veterinary Research Institute, Gannoruwa, Peradeniya.
SWAZILAND Dr. A.M. Khoza, Chief Veterinary Officer, P.O. Box 162, Mbabane.
TANZANIA Chief Veterinary Research Officer, Ministry of Agriculture, P.O. Box 9152, Dar-es-Salaam.
TRINIDAD AND TOBAGO Technical Officer (Animal Husbandry), Dept. of Agriculture, St. Clair, Port of Spain.
UGANDA Chief Research Officer, Animal Health Research Centre, P.O. Box 24, Entebbe.
WINDWARD ISLANDS
GRENADA Superintendent of Agriculture, Dept. of Agriculture, St. Georges.
ST. LUCIA Agricultural Superintendent, Dept. of Agriculture, Castries.
ST. VINCENT Superintendent of Agriculture, Dept. of Agriculture, Kingstown.
ZAMBIA Dr. S.M. Silangwa, University of Zambia, P.O. Box 2379, Lusaka.

IMMUNITY, SEROLOGY AN RESISTANCE	26	88	130	164	204	250	302	356	389	425	486	546
PATHOGENESIS AND PATHLOGY...	32	95	134	169	210	255	306	361	392	432	491	554
BIOCHEMISTRY AND PHYSLOGY	35	99	138	172	215	258	308	364	394	436	495	557
ECOLOGY AND BEHAVIOU	38	101	140	173	217	263	310	366	396	440	498	561
GEOGRAPHICAL DISTRIBUON ...	39	102	–	174	219	265	–	367	–	442	–	–
EPIDEMIOLOGY AND EPIZOTIOLOGY	39	102	140	174	219	265	311	368	396	442	500	562
CONTROL	41	104	142	175	221	268	313	371	397	445	504	564
TECHNIQUE	49	111	148	180	226	275	319	377	399	452	513	571
LIFE-HISTORY	51	112	149	180	226	277	319	378	399	453	514	572
CYTOLOGY, GENETICS AN EVOLUTION	52	113	150	181	228	278	320	379	400	454	516	574
HIRUDINEA	–	113	150	182	229	299	321	379	400	455	516	575
UNCLASSIFIED	53	114	150	182	229	279	321	379	400	455	517	576
BOOKS, NON-PERIODICAL AND CONFERENCES	53	114	151	182	230	279	321	380	400	456	517	576
REPORTS	57	115	152	183	233	285	325	382	401	460	–	580

AUTHOR INDEX 581

SUBJECT INDEX 609

ERRATA

(lines are counted from the beginning of the bibliographic data in each item.)

Volume 49

Page	*Abstract*	*Line*	
79	622	13	For '*Iodogenes*' read '*Idiogenes*'
157	1438	32	After 'analysis' insert 'of age relationships (⩽ 1 year and ⩾ 2 years)'
180	1672	16	For '*Componotus*' read '*Camponotus*'
192	1803	10	For '2.7 more' read '2.7 times more'
222	2082	12	For '10' read '100'
222	2088	2	For 'Abdel-Rahmam' read 'Abdel-Rahman'
246	2380	41	For '*Laurea*' read '*Laruea*'
253	2437	13	Insert 'developed' after 'immunity'
299	3044	16	For '*polyacanthus*' read '*polyacantha*'
384	3892	2	For '*Halicephalobus deletrix*)' read '*Halicephalobus deletrix* (= *Micronema deletrix*)'
397	4023	2	For 'wastewate' read 'wastewater'
398	4033	10	Insert 'was 100% effective against' after 'body-weight'
518	5374	24	For '*Amoebae*' read 'amoebae'
539	5624	8	For '*Squatarolae squatarolae*' read '*Squatarola squatarola*'
552	5743	11	For '4500 g' read '4500 *g*'
552	5743	14	For '3500 g' read '3500 *g*'
566	5887	15	Insert 'were' before 'inoculated'

Abbreviations

Subject Index – Abbreviations of Immunological Tests and Terms

BFT	Bentonite flocculation test
CELISA	Complement-enzyme-linked immunosorbent assa
CIEP	Counter-immunoelectrophoresis
CFT	Complement fixation test
CHR	Cercarienhullenreaktion
COPT	Circumoval precipitin test
DASS	Defined antigen substrate spheres
ELIEDA	Enzyme-linked immunoelectrodiffusion assay
ELISA	Enzyme-linked immunosorbent assay
ES	Excretory/secretory antigens
(I) FAT	(Indirect) Fluorescent antibody test
GDT	Gel diffusion test
(I) HAT	(Indirect) Haemagglutination test
ICA	Immunocytoadherence
ID	Immunodiffusion
IEP	Immunoelectrophoresis
Ig	Immunoglobulin
IPT	Immunoperoxidase test
IT	Intradermal test
LFT	Latex flocculation test
MIT	Macrophage inhibition test
PCA	Passive cutaneous anaphylaxis
RAST	Radioallergosorbent test
RIA	Radioimmunoassay
RIP	Radioimmunoprecipitation test
RIST	Radioimmunosorbent test
RPT	Ring precipitation test
TIA	Thin layer immunoassay